

Navarro Mills Dam and Navarro Mills Lake

OWNER

The U.S. Government. Operated by the U.S. Army Corps of Engineers, Fort Worth District.

ENGINEER (Design)

U.S. Army Corps of Engineers.

LOCATION

On Richland Creek in Navarro County, 16 miles southwest of Corsicana.

DRAINAGE AREA

320 square miles.

DAM

TypeEarthfill

Length7,570 ft including the spillway

Maximum height81.7 ft

Top width20 ft

SPILLWAY

TypeOgee

Length240.0 ft at the crest

Crest elevation414.0 ft above msl

Control6 tainter gates, each 40 by 29 ft

OUTLET WORKS

Type2 conduits

SizeEach 36-inch diameter

Control2 slide gates

Invert elevation400.0 ft above msl

AUTHORIZATION

Federal: Flood Control Act, September 3, 1954.
Modified by Flood Control Act, July 3, 1958.

State: Permit No. 1948 (Application No. 2134) January 13, 1960, to the Trinity River Authority for appropriation of 19,400 acre-feet of water annually for municipal use. The Authority has purchased 63,300 acre-feet of storage space in the reservoir.

RESERVOIR DATA (Based on 1956 survey by the U.S. Army Corps of Engineers)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	457.0	—	—
Maximum design water surface	451.9	335,800	15,950
Top of flood-control storage space	443.0	212,200	11,700
Top of conservation storage space	424.5	63,300	5,070
Spillway crest	414.0	22,100	2,690
Streambed	375.3	0	0
Sediment reserve space above	424.5	5,700	—
Sediment reserve space below	424.5	10,100	—
Usable conservation storage space	—	53,200	—

GENERAL

Construction startedDecember 23, 1959

Impoundment of water beganMarch 15, 1963

Dam completedMay 10, 1963

General contractorAustin Bridge Company, Dallas, Texas
H. N. Rogers & Sons, Memphis, Tennessee

Estimated project cost\$9,598,000

